

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A process for preparing  $C(O)F_2$  which comprises photooxidizing a reaction mixture comprising  $CHClF_2$  or  $CHF_3$  with oxygen and wherein at least some of the radiation is in the range from 280 nm to about 750 nm and wherein 0.05 to 0.20 mol of elemental chlorine is present per mole of  $CHClF_2$  or  $CHF_3$ .
2. (Previously presented) The process according to Claim 1, wherein the irradiation is undertaken in the absence of chlorine and the incident light have wavelengths including  $< 280$  nm, or in that the irradiation is undertaken in the presence of elemental chlorine with light of a wavelength of  $\geq 280$  nm, in which case not more than 0.50 mol of elemental chlorine is present in the reaction mixture per mole of  $CHClF_2$  or  $CHF_3$ .
3. (Cancelled)
4. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a temperature of 20 to 300°C.
5. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a pressure of 1 to 11 bar (abs.).
6. (Previously presented) The process according to Claim 1, wherein the reactants are present in gaseous form.
7. (Previously presented) The process according to Claim 1, wherein the reaction is carried out continuously.
8. (Previously presented) The process according to Claim 7, wherein the average residence time in the reactor is between 0.1 and 3 minutes.
9. (Previously presented) The process according to Claim 1, wherein  $CHClF_2$  is used as the starting compound.
10. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a temperature of 30 to 300°C.

11. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a temperature of 50 to 90°C.

12.-22 (Cancelled)

23. (Currently Amended) A process for preparing  $\text{C}(\text{O})\text{F}_2$  which comprises photooxidizing a reaction mixture comprising  $\text{CHClF}_2$  or  $\text{CHF}_3$  with oxygen and wherein at least some of the radiation is in the range from 280 nm to about 750 nm and a ratio of  $\text{CHClF}_2$  or  $\text{CHF}_3$  to oxygen content is 1: 0.4 to at most 1:1.

24. (Previously presented) The process as claimed in claim 1, wherein if  $\text{CHClF}_2$  is used, the content in the reaction mixture of  $\text{CHClF}_2$  is at least 5 mol%.

25. (Previously presented) The process as claimed in claim 23, wherein if  $\text{CHClF}_2$  is used, the content in the reaction mixture of  $\text{CHClF}_2$  is at least 10 mol%.

26. (Previously presented) The process according to Claim 23, wherein 0.05 to 0.20 mol of elemental chlorine is present per mole of  $\text{CHClF}_2$  or  $\text{CHF}_3$ .

27. (Currently Amended) The process as claimed in claim 1, wherein the ratio of  $\text{CHClF}_2$  or  $\text{CHF}_3$  to oxygen is from ~~1:0.04 to 1:1~~ 1:0.4 to 1:1.

28. (New) A process for preparing  $\text{C}(\text{O})\text{F}_2$  which comprises photooxidizing a reaction mixture comprising  $\text{CHClF}_2$  or  $\text{CHF}_3$  with oxygen and wherein at least some of the radiation is in the range from 280 nm to about 750 nm and wherein 0.01 to 0.50 mol of elemental chlorine is present per mole of  $\text{CHClF}_2$  or  $\text{CHF}_3$ .